

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of
A. Doddington
Filing Date: Herewith
Attorney File No.: 14846-16
Entitled: System and Method For Specifying Application
Services and Distributing Them Across Multiple
Processors Using XML

Assistant Commissioner for Patents
Alexandria, VA 22313-1450

PETITION TO MAKE SPECIAL UNDER 37 C.F.R. §1.102

SIR:

It is requested that the above-captioned patent application, filed herewith, be granted Special Status for accelerated Examination. As set forth in MPEP §708.02(VIII), such a petition requires: (1) that all claims be directed to a single invention; (2) a pre-examination search; (3) copies of all of the references identified in the search deemed most closely related to the claimed subject matter; (4) a detailed discussion pointing out with particularity how the claimed subject matter is patentable over the references; and (5) the fee set forth in 37 C.F.R. 1.17(h). As presented in more detail below, Applicant have complied with each of these requirements. Therefore, Applicant respectfully request granting of this petition.

I. APPLICANT'S CLAIMED INVENTION

Applicant's claimed invention is directed to a system and method that uses XML schemas to specify the set of allowed function calls, to invoke multiple function calls, either hierarchically or sequentially and to specify the calls in such a way that they can be distributed across multiple processors. According to the invention, as claimed, an XML schema mechanism defines the format of permitted function calls and validates the function calls to ensure that they match the published signature of the functions provided by the service application. The claimed invention uses an XML document to represent the initial function call, to indicate where distribution of processing across multiple secondary service applications may be performed and

to provide a basis for subsequent function calls. Furthermore, this invention uses an XML schema to document and validate nested function calls.

II. THE PATENT APPLICATION PRESENTS CLAIMS TO A SINGLE INVENTION

The claims of the patent application filed herewith are directed to a single invention. The current application includes one independent claim. Should the Examiner determine that the claims are not directed to a single invention, Applicant will make an election without traverse according to established telephone-restriction practice, MPEP § 708.02(VII).

III. PRE-EXAMINATION SEARCH

A pre-examination search was performed by the professional search firm of Woolcott LLC ("Woolcott") to locate the U.S. Patents and U.S. Patent Publications relevant to the inventive concept (the "Search"). Woolcott is located at 2001 Jefferson Davis Highway, Suite 411, Arlington, Virginia 22202, Tel: 800.223.9697 and has a web page address of <http://www.woolcott.com/index.html>.

Copies of Woolcott's Search Report and the identified references are attached. As can be seen from this Search Report, the following classes and subclasses were searched:

Class	Subclasses
707	1, 10, 100
708	310, 200, 203
700	2, 4

Woolcott pointed out two references deemed related to the claimed subject matter: (A) U.S. Publication Number 20030069907, which was published on April 10, 2003 by Moreau et al. and (B) U.S. Publication Number 20030093574, which was published on May 15, 2003. These references are discussed in detail, below.

Additionally, Woolcott selected ten references as being of possible additional interest:

<u>Publication Number</u>	<u>Inventor</u>	<u>Publication Date</u>
US 20030097383	Smirnov et al.	05/22/2003
US 20030046317	Cseri et al.	03/06/2003
US 20030036809	Landman et al.	02/20/2003
US 20020143819	Han et al.	10/03/2002
US 20020124113	Gargya et al.	09/05/2002
US 20020120685	Srivastava et al.	08/29/2002
US 20020103835	Kearney	08/01/2002

US 20020069192
US 20020046239
US 20020010867

Aegerter
Stawikowski et al.
Schaefer et al.

06/06/2002
04/18/2002
01/24/2002

Nothing in this Petition should be construed as an admission that any reference identified in the Search or discussed herein is available as prior art to the above-captioned application.

IV. DETAILED DISCUSSION OF PATENTABILITY

The claimed subject matter of the above-captioned patent application is patentable over all of the cited references. Applicant provide detailed discussion in this Section that points out with particularity how the claimed subject matter is patentable over the cited references.

A. U.S. PUBLICATION NUMBER 20030069907, PUBLISHED ON APRIL 10, 2003 BY MOREAU ET AL. ("MOREAU")

The subject matter of the above-captioned patent application is patentable over Moreau. Among other deficiencies of Moreau, it does not teach or suggest XML schemas that specify the set of allowed function calls, that invoke multiple function calls, either hierarchically or sequentially and that specify the calls in such a way that they can be distributed across multiple processors as recited in Applicants' claims.

Moreau discloses, in the context of a computer document represented by a markup language associated with a schema document, the method of selecting a tag in the computer document, searching the schema for at least one declarative tag of a function associated with the tag, and creating a list of functions applicable to the tag. Moreau proposes (and claims) extensions to the schema notation in order to do function calls.

Because Moreau does not teach or suggest Applicant's XML schemas that specify the set of allowed function calls, that invoke multiple function calls, either hierarchically or sequentially (especially nested function calls) and that specify the calls in such a way that they can be distributed across multiple processors, Applicant's invention as claimed is patentable over Moreau.

A. U.S. PUBLICATION NUMBER 20030093574, PUBLISHED ON MAY 15, 2003 BY FABLET ET AL. ("FABLET")

The subject matter of the above-captioned patent application is patentable over Fablet. Among other deficiencies of Fablet, it does not teach or suggest XML schemas that specify the set of allowed function calls, that invoke multiple function calls, either hierarchically or

sequentially and that specify the calls in such a way that they can be distributed across multiple processors as recited in Applicants' claims.

Fablet discloses the method of receiving function results, determining the types of different results sent back as a result of function execution, selecting at least one desired result type, generating a message invoking the function wherein the message includes a list of desired result types and where the results should be sent and sending the message invoking the function to a server. Fablet does not use schemas in order to achieve the results.

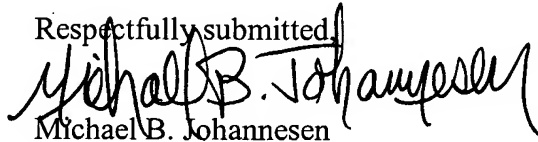
Because Fablet does not teach or suggest Applicant's XML schemas that specify the set of allowed function calls, that invoke multiple function calls, either hierarchically or sequentially and that specify the calls in such a way that they can be distributed across multiple processors, Applicant's invention as claimed is patentable over Fablet.

Ten references were selected as being of possible additional interest ("additional references"). None of the additional references, taken alone or in combination, teach or suggest Applicant's XML schemas that specify the set of allowed function calls, that invoke multiple function calls, either hierarchically or sequentially and that specify the calls in such a way that they can be distributed across multiple processors. Therefore, Applicant's invention as claimed is patentable over these additional references.

V. CONCLUSION

In view of the foregoing, Applicants' have met all of the requirements for accelerated examination set forth in 37 C.F.R. § 1.102 and detailed in MPEP § 708.02(VIII). Accordingly, Applicant respectfully request this case be made special for expedited examination. Please charge the required fee set forth in 37 C.F.R. § 1.17(h), estimated to be \$130.00, to Deposit Account No. 501358.

Respectfully submitted,



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